SHAH & ANCHOR KUTCHHI ENGINEERING COLLEGE

CHEMBUR, MUMBAI-88

PERCEPTRON

Computer Engineering Depertment

2018-19

Our Vision

" To develop computer engineering graduates with engineering and managerial skills to acquire high end positions that are globally recognized."

Our Mission

"To impart computer engineering knowledge and to provide exposure to the latest technologies so that, students can solve various engineering problems and possesses social, ethical responsibilities and have the attitude of lifelong learning so as to bring about competent professionals."

Program Educational Objectives

1. To impart knowledge of fundamentals of all the courses of computer engineering so that, the students are able to analyse, design, implement and test various engineering problems from different application domains.
2. To provide exposure to latest technologies and adequate training to work as a team to inculcate among the student's social responsibilities and respect towards society by creating societal environment.
3. To promote student awareness on the lifelong training and introduce them to professional ethics and code of professional practices.

From HOD's Desk

"PERCEPTRON" gives insight into the working culture of the department. Yet another year with new and creative work done by the design and editorial team to come up with this excellent edition of magazine for 2018-19. We strive our level best to give maximum to the students through different technical and cultural events. Some of the impactful events organized by the department are worth mentioning here. The department's landmark technical event PiXEL, The Tech Conclave, has brought eminent personalities together on one platform. This event went out of SAKEC boundaries having attendees from other colleges giving it a feel of a district level event.

First time in the history of Shah and Anchor Engineering College, our department grabbed sponsorship from AICTE for a Short Term Training Program on Web technologies – new trends. Overwhelming response from faculty of different engineering colleges across Maharashtra and other states attending the training program. Noted Technical Author and former CEO of LTIT, Mr. Achut Godbole had given an inaugural speech which went live with many joining virtually. I congratulate the team for creating wonderful magazine for readers.

FROM EDITOR'S DESK

Hello All,

It gives me an immense pleasure to come back with the new version of PERCEPTRON, a magazine for the academic year 2018-19, by Computer Engineering Department of Shah and Anchor Kutchhi Engineering College. This magazine has been a platform to perceive various activities and events conducted by the department. It is a platform to exhibit various activities, of which students and faculty members have organized, attended and excelled in. The magazine presents the achievements of students and contributions of teachers for the personal and department excellence.

Along with the team, we would like to share our gratitude and heartfelt thanks to all those who have contributed to make this effort a success. We thank the Management for giving support and encouragement to all the members. We are able to meet exclusivity with guidance of our Principal. We thank Head of Department, Computer Engineering Department, to give us the opportunity to be a part of Perceptron publication team. We wish all the people involved to make headway and keep on excelling. *"The beautiful thing about learning is that no one can take it away from you." —B.B. King.*

Tina Maru

Chief Editor - Perceptron

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PIXEL 2019

PiXEL 2019, Tech Conclave on 26th March 2019, witnessed experienced professionals coming together and discussing with the students about the stories of their journeys as triumphant technocrats, entrepreneurs and dynamic personalities. The event started on with the PIXEL team cordially inviting the guest speaker and dignitaries.

The spectacular line-up of sessions consisted of **Mr. Vivek Singh,** Blockchain Technical Advisor at Hyperion X, enlightening on *BlockChain*. Next speaker **Mr. Dhruva Mota,** Founder & Game Developer at CTRL F5 & ELEMENTAL GAMES, **Mr. Viral Vora,** Founder & Game Developer at CTRL F5 & ELEMENTAL GAMES, and **Mr. Aditya Mule,** Senior Game Developer at Gametion discussed on *Game Development*.

Third talk was with **Mr. Kushal Sankhe,** Co-Owner at Blanco, Bombay Cocktail Bar and **Ms. Amreen Luthra,** CEO & Founder of Amreen Luthra Training System discussed on *Entrepreneurship*.

Mr. Sankalp Mate, Cyber Security Analyst at Pristine InfoSolution Pvt Ltd interacted on topic of *Cyber Security*, while next talk with **Mr. Harsh Vitra,** Founder at Enroot Mumbai gave awareness on *Code in X.* **Mr Kunal Pandit,** *Singer* & **Mr Vinayak Patil,** *Super Vinay* where ***Influencers***. This immensely successful and impactful event was managed and co-ordinated by team PIXEL consisting students of Computer Engineering Department, who put together a memorable and brilliant show.

Web Technologies—New Trends

The Department had organised AICTE-ISTE approved and sponsored Short Term Training Program (STTP), "Web Technologies - New Trends" from 2nd to 7th July 2018. The STTP was inaugurated by the renowned author **Mr Achyut Godbole,** Chief Guest, at the 7th floor auditorium. Vice Principal, Dr. V. C. Kotak, and Head of Department, Prof. Uday Bhave were present in the inauguration ceremony. In his speech Dr. V. C. Kotak made the participants aware about the importance of knowledge of new trends in web technologies and motivated the participants for studying Web Technologies. Prof. Uday Bhave also addressed the participants. He thanked the participants for registering and congratulated them for being selected. He talked about a few new technologies and importance of learning them in the current scenario.

After inauguration, Mr Achyut Godbole delivered the keynotes address. In his enlightening speech, "I. T. - Yesterday, Today and Tomorrow", he talked about evolution of I. T. and shared his experiences in this field he had when working as a CEO of Patni, L&T and Apar Technologies.
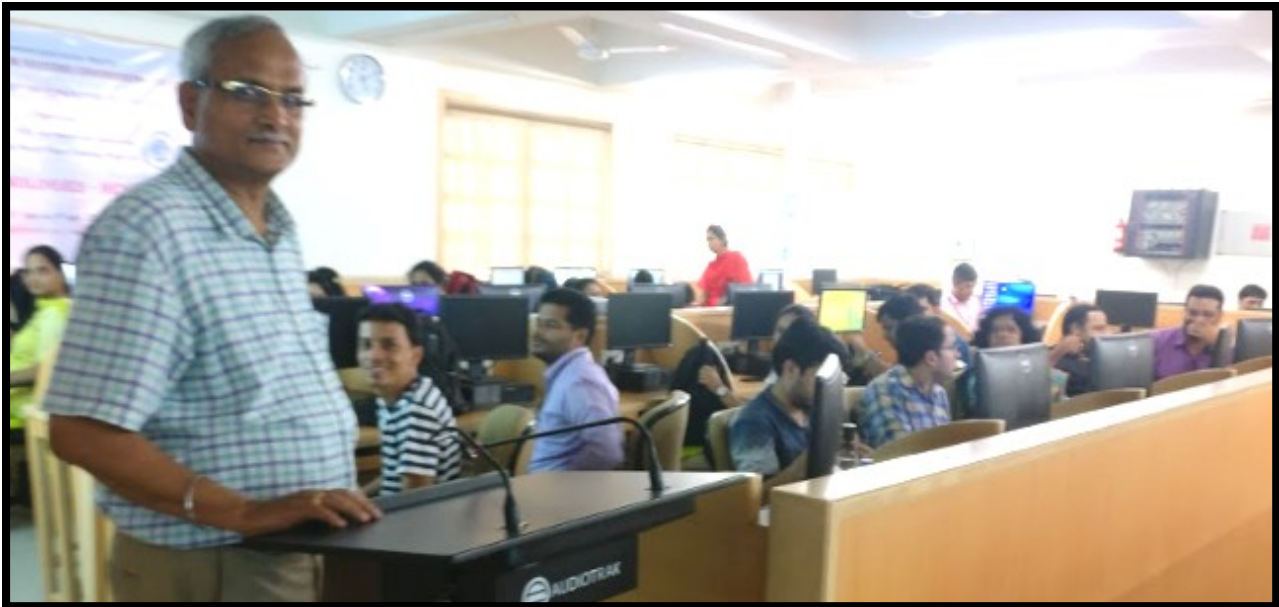
Later, participants proceeded to Lab 209 where Mr Jayanthi Gokhale, Director, Intellisys Application Solution Pvt. Ltd., Mumbai conducted hands on sessions on HTML5 and CSS3. He covered text formatting tags, Lists, Tables, anchors in HTML 5. After Lunch break Mr Gokhale started CSS3. He taught inline, internal and external style sheets. He taught the need of using style sheets.

The second day started with a hands on session on MongoDB by Mr Bhushan Jadhav, Assistant Professor, TSEC, Mumbai. He explained what is NOSQL, types of NOSQL, graph stores. After covering these concepts he started MongoDB. After completing a few hands on sessions, he introduced Cassandra. After lunch, Mr Bhushan Jadhav conducted hands on session on XML. On the third day Mr Bhushan Jadhav started JavaScript. He explained what is JavaScript, what is its use. Then he conducted several hands on sessions on JavaScript. The participants developed several small scripts to learn how it works. They also developed some simple animations to make the web page attractive. In the post lunch session they worked with jQuery to develop some more complex animations.

After tea break in the afternoon, Mr Rashmin Pulekar, International Speaker, Art of Living Foundation delivered a session on Art of Living. The participants asked questions about how to live a stress free life, how to meditate, how to overcome boredom etc. Mr Pulekar answered the questions by giving some interesting examples, telling some interesting stories. Then he made the participants practice some Kriyas to rejuvenate the participants. He ended the session with a small meditation.

The 4th day started with Mr Jayanthi Gokhale's session on PHP. Mr Gokhale explained different server side technologies and explained the benefits of PHP. The participants started with installation of XAMPP package on Windows OS to use PHP. After installation they developed some elementary scripts in PHP. After participants became comfortable with simple PHP scripts, Mr. Gokhale conducted some hands on sessions on some complex applications. After tea break in the afternoon, Mr. Gokhale taught how to deploy a website on the server. He explained several issues regarding the responsiveness and security of the website.

The day 5 started with the session on Laravel by Mr Nilesh Vidhate, software engineer, Cyber Indigo Systems, Mumbai. The participants learnt installation of Laravel on Ubuntu machines and developing small applications using MVC framework.

On day 6, Mr. Anil Patil, Senior Trainer, CapGemini conducted hands on sessions on Ajax. Participants developed several small applications to learn it. The examination was conducted after lunch from 2 to 3 PM. Mr Jayanthi Gokhale delivered a concluding address. In his address, he discussed, several new technologies used to develop good websites for Computer and Mobile Devices. He discussed the road ahead for further development.

During the valedictory function, Chairman of Mahavir Education Trust, Honourable Shri Keshavjibhai Chhadva and Managing Trustee, Honourable Shri Navinbhai Shah, Speaker, Mr. Jayanthi Gokhale, Principal, Dr Bhavesh Patel, Vice Principal, Dr V. C. Kotak and Head of Department, Prof. Uday Bhave were present. Dr Bhavesh Patel addressed the participants. In his speech he made the participants aware of the initiative by AICTE-ISTE for such programs to keep the faculty of Engineering Institutions updated with the knowledge of latest technologies. He congratulated the participants for successfully completing the program. Dr V. C. Kotak addressed the participants and congratulated them. Prof. Uday Bhave also addressed the participants and congratulated them. Concluding the event, vote of thanks was given by Ms. Monika Kanojiya, Coordinator of the STTP.

ORIENTATION PROGRAM ON THEORY OF COMPUTER SCIENCE

On behalf of University of Mumbai, Computer Engineering Department had organized an Orientation program of the course "Theory of Computer Science" of Third year Computer Engineering (Rev. 2016), Semester V on 13th July 2018 from 2.00 PM to 4.00 PM in 4th Floor seminar hall. Faculties from various Engineering Colleges of University of Mumbai had participated in the program. The details of syllabus chapters and recommended books contents were discussed. The event was coordinated by Prof. Uday Bhave, Prof. Shahzia Sayyad and Prof.. Jaya Zalte.

ORIENTATION PROGRAM ON ENTERPRISE RESOURCE PLANNING

New elective subject Enterprise Resource Planning (ERP) got introduced in final year Computer Engineering syllabus. An orientation program to discuss syllabus and reference books was organized on 21st Jan 2019 by the department. Dr. Dhananjay Kalbande and Dr. Gresha Bhatia has conducted the program for the faculties of the different colleges under the University of Mumbai. Also, case studies for mini projects were discussed. The weightage for chapters, Internal assessment and end semester examination question paper pattern was discussed. Designing the Rubrics for the mini project and having a presentation of mini-projects were also suggested.

DATACENTER TECHNOLOGIES- NEED OF THIS HOUR

The Computer Engineering Department has organized faculty development program and student development program on **DataCenter Technologies – Need of this Hour** on 29th September 2018. The session speaker, Mr. Ramesh S. Kharat, is a Chief Technology Officer (CTO) at Priar Web Private Limited. The session was started after the felicitation of speaker by Head of Department, Prof. Uday Bhave. The speaker had enlighten about different Datacenter technologies, job profiles/roles, and job opportunities in this area. Both teachers and students were benefited by the session contents. The event was concluded by thanking the Mr. Kharat with token of appreciation.

MACHINE LEARNING WITH PYTHON

Machine Learning with Python was conducted on 19th January 2019 at 4th floor seminar hall. The webinar was conducted for all the faculty of Computer Engineering Department from 11:30 am to 1:00 pm by Monkfox Bangalore. In this webinar various topics covered such as concept of machine learning, machine learning process that is identification of data sets, selection of machine learning algorithm, build an analytical model based on the chosen algorithm, training the model on test data sets, runs the model to generate scores and other findings. The program explained how machine learning works with examples, various machine learning algorithms, unsupervised algorithms and   supervised algorithms. Session was ended with question & answer. This session was very   informative, which covered all the basic concepts of the machine learning with future scope of the machine learning.
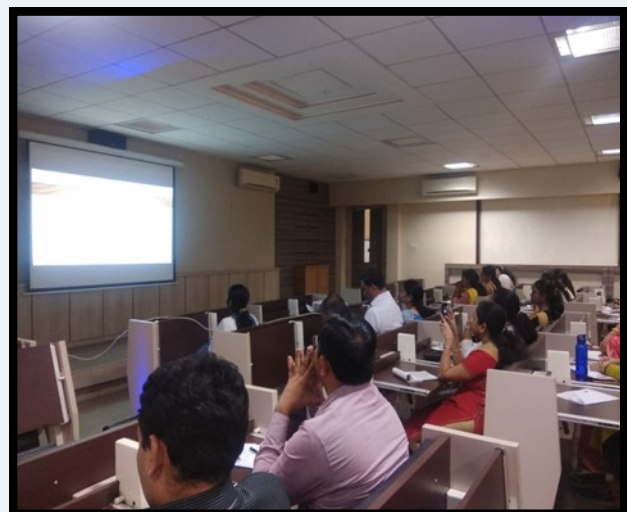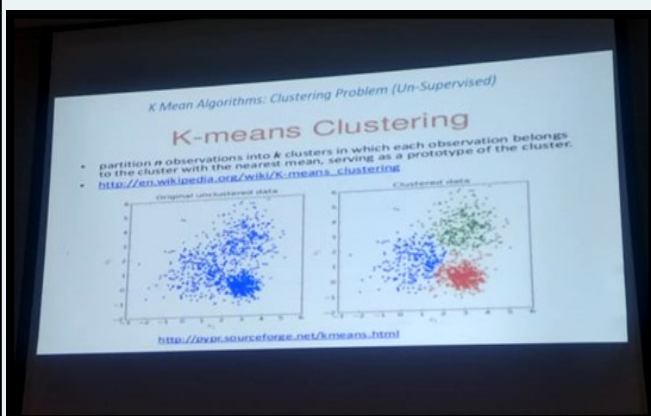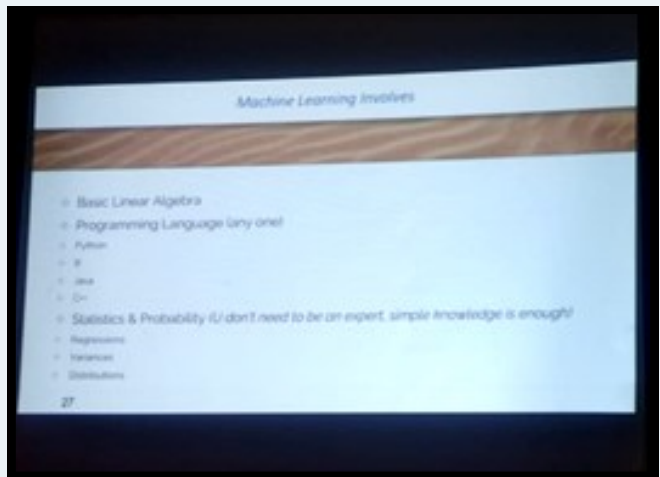
ENHANCE SKILLS WITH BLOCKCHAINS

Student development program on Enhance Skills with Blockchains was organised by the department on 3rd October 2018. The session speaker, Ms. Shilpa Karkeraa, CEO & Innovations Strategist Myraa Technologies was felicitated by Head of Department, Prof. Uday Bhave. She being a Researcher, AI Expert, Blockchain Architect, Serial Entrepreneur, Global PyCon Speaker, guided students in this area.

Alumni talk on "Technical Skills needed for Corporate Jobs"

An Alumni Talk gives a boost to students currently studying in different years of engineering. In this view, a session was arranged by the department on 4th October 2018. Our alumni Mr. Akshay Deshpande had delivered motivating talk on Technical Skills needed for Corporate Jobs. He shared his journey through college and after entering corporate world. He highlighted key points on skill sets needed in corporate environment.

POSTER PRESENTATION

Final Year Project Poster Presentation was conducted by Department of Computer Engineering on 20th March 2019 on 7th floor Drawing hall for Third Year students. The event was coordinated by Prof. Shahzia Sayyad and Prof. Deepshikha Chaturvedi. Around 57 project groups participated and presented in the event. Vice Principal Dr. V. C. Kotak, Head of the department, Prof. Uday Bhave and senior faculties of the department went through the presentations of each group enthusiastically. They congratulated the students for their efforts and teamwork. Also faculties from other departments visited to encourage and appreciate the students. The posters of projects from different domains like Security, Data Mining, Mobile Communication, Big Data and Networks etc., were showcased to give a glimpse of an understanding of what is expected in BE project, kind of projects that can be taken up in different domains. Third year students were impressed and motivated by the projects.
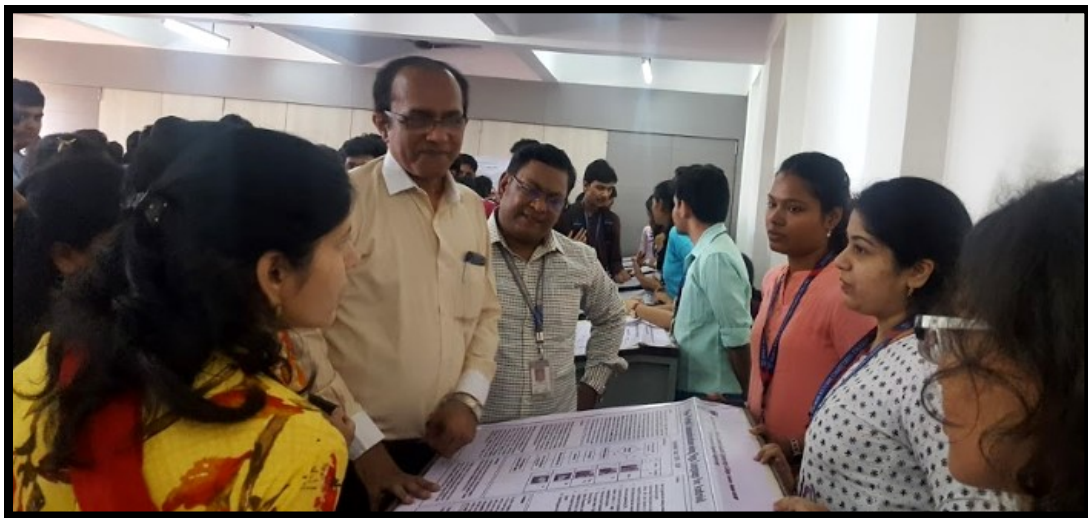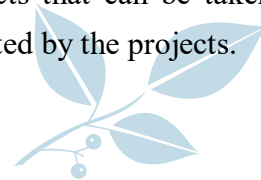
APPLICATION SERVER CONFIGURATION IN LINUX

CSI-SAKEC in collaboration with Computer Engineering Department had organized a workshop on Application Server Configuration in LINUX on 18th July, 2018. The speakers for the event were Prof. Shilpa Kalantri & Prof. Vaishali Hirlekar. Concepts covered were Linux basics and networking commands, configuration of IP Address in Linux environment, installation and configuration of remote login server (TELNET and SSH) and installation and configuration of public and private FTP server and file transfer. The event ended with encouraging speech by Head of Department Prof. Uday Bhave. The event was coordinated by CSI coordinator Prof. Deepshikha Chaturvedi and student coordinator Mr. Dishank Gangar.

All the participants were provided with signed certificate of appreciation on successful completion of the workshop. The workshop ended with great feedback.

P H O T · O · M A G I C

PHOT-O-MAGIC workshop was organized by Computer Engineering department in collaboration with CSI-SAKEC on 25th July 2018 for students interested in photoshop. The tutor for the workshop was Mr. Prakash Parmar. The workshop covered basic tools of Adobe photoshop their information as well as usage, Image manipulation, variable usage, photo and certificate editing. The event ended with encouraging speech by Dr. Rekha Ramesh, Professor and CSI coordinator. All the participants were given certificate for successful completion.

Students provided overwhelming feedback for workshop arranged by Mr. Chintan Chheda.
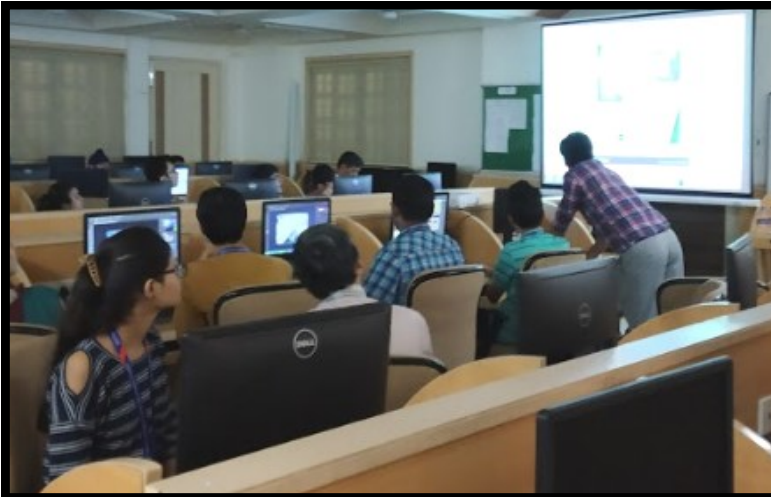
IONIC Framework

Ionic is the app development platform for web developers used to build amazing cross platform mobile, web, and desktop apps.   More than 40 students attended the workshop. Topics covered were Ionic installation, HTML/CSS, basic operation in ionic, creating app using ionic framework. The speaker, Mr. Vivek Gawande, final year student of computer engineering student who coached the students clearly. Dr. Rekha Ramesh concluded the event with words of appreciation for speaker and enlightened students to take up such opportunities. The feedback given by the students was awesome. The event was coordinated by Prof. Deepshikha Chaturvedi and student coordinator Mr. Atharva Juikar .

TENSORFLOW FRAMEWORK FOR MINING

      CSI-SAKEC in collaboration with Computer Engineering Department had organized TENSORFLOW FRAMEWORK FOR MINING. The speaker for the event was Mr. Aakash Shah, final year student of computer engineering. Around 35 Students attended the workshop. Topics covered were learn TensorFlow framework (TensorFlow is an open-source software library for data flow programming across a range tasks), Introduction to machine learning, where it is used and how it is implemented, What is tensor and how the name was given ,How to integrate it in code, Hands on TensorFlow (Image recognition), Creating neural network & Gathering dataset. The event ended with encouraging speech by Dr. Rekha Ramesh.

ATTACK & SECURITY IN CYBER ERA

Cyber Era been wide culture and social connect has many attacks to understand security measures for this CSI SAKEC in collaboration with Computer Engineering Department had organized a workshop on Attacks and Security in Cyber Era on 1st September 2018. The Speaker of the event was Prof. Saurabh Patil. He covered topics such as demonstration of Linux attacks, Email Spoofing, Flooding Attack, Websploit Attack, Metasploit Attack for Windows System, WIFI-Attack and Android Phone hacking. Dr. Rekha Ramesh appreciated participated for the events and presented token of appreciation to Prof. Saurabh Patil. The coordinators for the event were Prof. Shahzia Sayyad and Prof. Deepshikha Chaturvedi.

CREATING EFFECTIVE EDUCATIONAL VIDEOS

Recently the education is widespread due to videos and articles accessible through internet. In view to enable teachers create videos for their domains CSI SAKEC along with Computer Engineering Department had organized a hands on session on Creating Effective Educational Videos, as a Pre-Event of CSI Mumbai TechNext India 2019. The speaker was Dr. Yogendra Pal. IITB. Topics covered were software like Open Broadcaster Software (OBS), Openboard, Open shot video editor and Audacity. The goals of the session were to explain the need for different types of educational videos, Select the appropriate type of educational video for a topic, Use presentation software effectively to create presentations for screen casts, Use various software required to create four different types of educational videos, Use Open Shot software to edit educational videos, Setup his/her studio for different types of educational videos, Explain various hardware that can be used to produce educational videos and apply best-practice in MOOC creation and running. Many faculty from different colleges as well as learners from company had joined the session.

Hands on PHP

SAKEC ACM Student Chapter in association with Computer Engineering Department organized a Hands on workshop on PHP on 4th August 2018. The speaker of the event were Prof. Jaya Zalte and Prof. Pradip Mane, who had taken practical on server side programming database connectivity and mini project designing in PHP. The students were benefited with this new technology. The workshop was a huge success and highly appreciated by participating students. The coordinator of the workshop was Prof. Bhakti Sonawane.
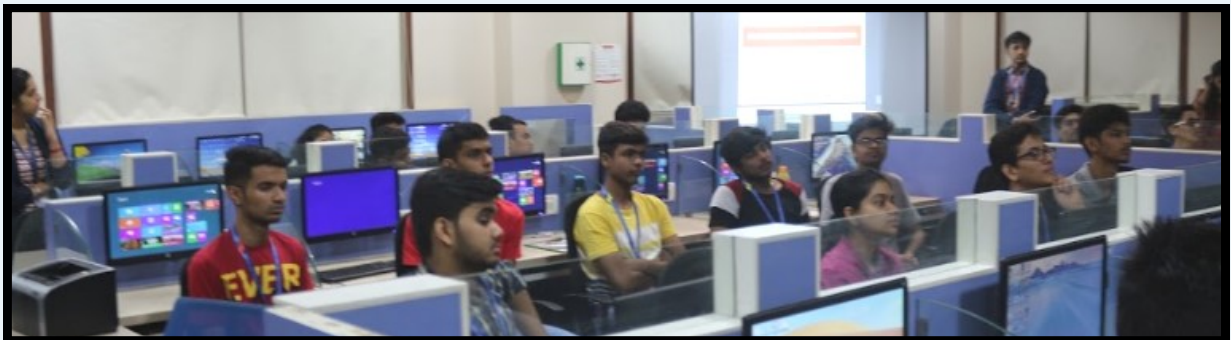
SAKEC CONNECT

SAKEC-ACM in collaboration with Computer Engineering Department has organized "SAKEC-CONNECT" on 29th and 30th March 2019. It was tech competition for undergraduates from any field where they must participate as individuals. Based on the skill sets of individuals, a team of 4 has been formed. It was first time in the history of SAKEC to host an Inter-college Open Hackathon. There were total 46 participants divided into group of four. With every team pushing towards working hard it was the time for the mentors to guide them. Mentor then took rounds analysing their projects, gave them some useful insights. We're fortunate to have Mr. Nishant kumar, Mr. Akshay Pilankar, Mr. Viral Parpar and Mr. Aasim Sayyed to be our mentors who themselves are experts in their domains to guide the participants. Judges for the events were two brilliant young entrepreneurs Mr. Harnesh Shah and Mr. Harsh Vitra. Principal, Dr. Bhavesh Patel expressed his delight on having such an event to be organized for the first time. Our chief guest Mr. Harnesh Shah, who was a successful IT personality for over 25 years, shared his insights on the events. Our other chief guest Mr. Harsh, elaborated on the practical aspects of start-ups.

Winning Team Receiving Certificate

MATLAB

ISTE SAKEC in collaboration with Computer Engineering Department organized a event on MATLAB on August 1, 2018 in Lab 209 and 210 . The speaker for the first half was Prof. Deepti Nikumbh and the speaker for the second half was Prof. Rekha More. The first half concentrated on the basic features of MATLAB, starting MATLAB, using MATLAB, basics functions with syntax, error messages, their corrections, entering multiple statements per line, control statements, array operations, matrix operation. The speaker taught the students and gave them time to solve the problem statements given. The second half session was concentrated on creating graphs using plots tab in MATLAB, 2D and 3D graphs and reading and playing Audio files in MATLAB. Finally the speakers gave the students an idea about the difference between using MATLAB and SCILAB.

The event was concluded by giving saplings and certificates of appreciation to the speakers and event co-ordinator by Prof. Shikha Shrivastava, Coordinator of ISTE SAKEC. Certificate of participation were awarded to the students.
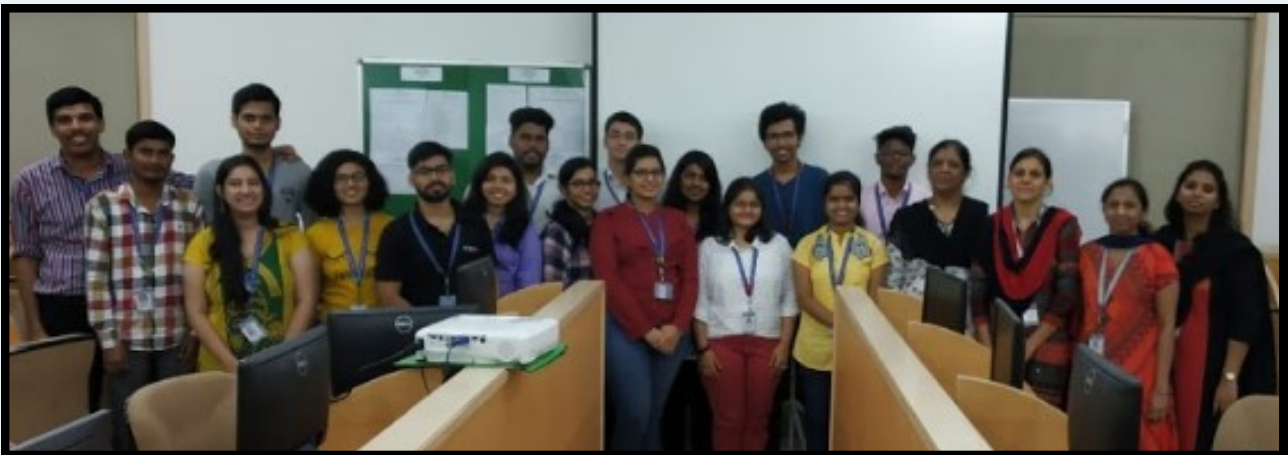
VISIT TO RAIGAD ZILLA PARISHAD PRATHMIK SCHOOL

The Department had organized CSR event, "Joy of Giving" on 25th October 2018. Many faculty and students interacted with the Zilla Parishad school teachers and students. The school students narrated poems and stories in front of the SAKEC team. SAKEC students played with the school students and made the visit more cheerful. We handed over the gifts to every student which were useful and motivated them for studies. We got the opportunity of giving to the lesser fortunate children and underprivileged sections of the society. This is to make our students responsible citizens of tomorrow by caring and sharing with the institute's social responsibility.

HALL OF FAME

FIRST YEAR

SHENOY ANJALI
Aggregate : 9.5 CGPA

DHAROD ROHAN
Aggregate : 9.39 CGPA

SECOND YEAR

VIDYA ARUMUGAM
Aggregate : 9.925 CGPA

LIMAYE PRASANNA
Aggregate : 9.77 CGPA

HALL OF FAME

THIRD YEAR

KHANOLKAR AKSHAY
Aggregate : 9.735 CGPA

PARMAR SHAILY
Aggregate : 9.45 CGPA

FINAL YEAR

SURVE DEVESH
Aggregate : 9.4 CGPA
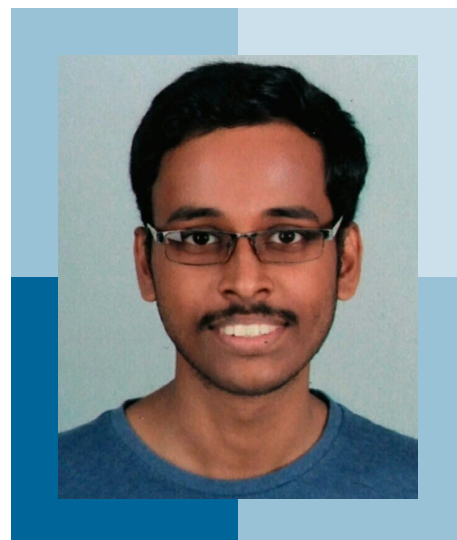
GAWANDE VIVEK
Aggregate : 9.39 CGPA

ACHIEVEMENTS BY STUDENTS

Sr. no	Name of Student	Event name	State/ National/ International Level	Event Date	Conducted by	Achievements
1	Bhavin Goswami	Inter Institutional Inclusive Innovations Centre – i4C's Smart India Hackathon 2019, 36 Hour nonstop coding Competition	National	02/03/2019 & 03/03/2019	Government of India	Mentor of Winner team at SIRT, Bhopal.
2	Rushabh Mehta, Vivek Gawande, Akshay Kumbhar, Devesh Surve , Shreyas Nanaware	Code vita	National	2018	Tata Consultancy Services (TCS)	Winner
3	Team: Kamchore Milind Thapper, Naitik Kotak, Arushi Shetty	Hunar Competition (Entrepreneurship Quest)	National (Zonal Round)	07/12/2018	iFEEL, Jaro Education	Zonal level and qualified for the National
4	Team : Polyplus Nihar Mehta, Kusal Shah, Akash Shah	Hunar Competition (Entrepreneurship Quest)	National (Zonal Round)	07/12/2018	iFEEL, Jaro Education	Won Zonal level and qualified for the National
5	Team : Polyplus Nihar Mehta Kusal Shah, Akash Shah	Hunar Competition (Entrepreneurship Quest)	National	24/12/2018	iFEEL, Jaro Education	Won prize for Best TV commercial and won cash prize
6	Viraj Modi, Jainam Doshi, Rudresh Dongre, Yash Oswal, Nikhil Shetty, Riya Jakhariya	Inter Institutional Inclusive Innovations Centre – i4C's Smart India Hackathon 2019, 36 Hour nonstop coding Competition	National	02/03/2019 & 03/03/2019	Ministry of Human Resource Development	Won First Prize for solution Simple complexity

Achievements by Students

Sr. no	Name of Student	Event name	State/ National/ International Level	Event Date	Conducted by	Achieve-ments
7	Vinit Patel, Amey Zope.	AppMaker Sagacity 2018	Intercollegiate competition	08/09/2018	Vivekanand COE, Mumbai.	First Position
8	Akansha Chhatry, Prajakta Salunke	Hoop the Loop (Girls)	Intercollegiate competition	15/03/2019	Institute of Chemical Technology	First Position
9	Hiten Chawda	Database Query Competition	Intercollegiate competition	08/09/2018	Vivekanand COE, Mumbai.	Second Position
10	Rushabh Dedhia, Mayank Dand, Aditya Akhave.	Technokag-az	National	26/02/2019	Shah and Anchor Kutchhi Engg. College, Mumbai.	Second Position
11	Chinmay Kadam, Vikas Dadhich.	LOC-Line of Code	Intercollegiate competition	16/03/2019 & 17/03/2019	ACM-Dwarkadas Jivanlal Sanghvi College of Engineering	Second Position (Rs. 10000)
12	Vivek Gawande Devesh Surve	Inframind Competition	National	24/12/2018	Tata Consultancy Services (TCS) IT Infrastructure	Reached round 3
13	Aniket Banginwar Kalpita Bhagat Shreyas Narawade	SAKEC-CONNECT (Tech competition)	Intercollegiate competition	29/03/2019 & 30/03/2019	ACM-SAKEC	1st Second Position
14	Yash Shetye Harsh Chauhan Rohit Panchal	Season ball	Intercollegiate	30/01/2019	SIES Graduate School of Tech. Mumbai	Runner Up
15	Shrey Dedhiya, Akash Bhatt, Parth Gala, Sarvesh Sapale, Parth Parekh	Summit-2018 (Foot Ball)	National	04/09/2018 to 08/09/2018	MIT World Peace University, Pune	Participation

ACHIEVEMENTS BY STUDENTS

Sr. no	Name of Student	Event name	State/ National/ International Level	Event Date	Conducted by	Achievements
16	Amish Shah, Sagar Gala, Rushabh Vora	Summit-2018 (Table Tennis)	National	04/09/2018 to 08/09/2018	MIT World Peace University, Pune	Participation
17	Yash Shetye Harsh Chauhan Rohit Panchal	Summit-2018 (cricket)	National	04/09/2018 to 08/09/2018	MIT World Peace University, Pune	Participation
18	Nihar Mehta Kusal Shah Akash Shah Suham Das	Big Idea SUMMIT & EXPO 2018	National	22/12/2018 & 23/12/2018	Shri Kutchhi Bhanushali Seva Samj Trust (SKBSST)	Participation
19	Aniket Banginwar Kalpita Bhagat Shreyas Nanaware Ekantika Singh	Avishkar	District	23/12/2018	Ramrao Adik Institute of Technology,Nerul, Navi Mumbai	Participation
20	Avnit Singh Shivam Chothani Tejas Dedhiya Pranav Shrivastav Vrushabh Kothari Jashil Mehta	Basket Ball	Intercollegiate competition	7/01/2019 to 9/01/2019	K. J. Somaiya College of Engineering	Participation
21	Avnit Singh Tejas Dedhiya Pranav Shrivasta	Basket Ball	Intercollegiate competition	8/02/2019	Vidyalankar Institute of technology, Mumbai	Participation

Achievements by Students

Sr. no	Name of Student	Event name	State/ National/ International Level	Event Date	Conducted by	Achieve-ments
22	Urvi Shah, Neha Gawade	SPIRIT	State	19/02/2019	Sardar Patel College of Engineerin, Mumbai	Participation
23	Vivek Shah Saouranh Dubey Prathmesh Punde	Technokagaz	National	26/02/2019	Shah and Anchor Kutchhi Engineering College, Mumbai	Participation
24	Avnit Singh Shivam Chothani Tejas Dedhiya Pranav Shrivastav	Basketball	Intercollegiate competition	13/03/2019 To 16/03/2019	Institute of Chemical Technology, Mumbai	Participation
25	Akansha Chhatry Prajakta Solunke Shaili Shah	Basketball	Intercollegiate competition	14/03/2019	Institute of Chemical Technology, Mumbai	Participation
26	Urvi Shah	Table Tennis	Intercollegiate competition	15/03/2019	Institute of Chemical Technology, Mumbai	Participation
27	Avnit Singh Shivam Chothani Pranav Shrivastav Vrushabh Kothari Jashil Mehta	Basket ball	Intercollegiate competition	26/03/2019 & 27/03/2019	M. H. Saboo Siddik College of Engineering, Mumbai	Participation
28	Rushabh Dedhiya Mayank Dand Aditya Akhave	Project Competition -DJASCII	State	30/03/2019	Dwarkadas J. Sanghvi College of Engineering, Mumbai	Participation
29	Hiten Chawda Vinit Patel Prasanna Limaye Nikki Pokharna	Hackathon	International	5/04/2019	India-Europe ICT Standard Collaboration	Selection in Grand Finale

ACHIEVEMENTS BY STUDENTS

Sr. No	Name of Student	Winner/ Participation	Event name	Conducted by	Event date/ year
1	Akansha Chhatry	Participated	Basketball	Sportssaga 2019,Institute of Chemical Technology	2019
2	Urvi Shah	Participated	Table Tennis	Sportssaga 2019,Institute of Chemical Technology	2019
3	Akansha Chhatry	WON 1st position	Hoop the loop (girls)	Sportssaga 2019,Institute of Chemical Technology	2019
4	Urvi Shah	Participated	Throw Ball	Spirit 2019,Sardar Patel College of Engineering	2019
5	Urvi Shah	WON 1st position	Table Tennis	Spoorthi 2018,Sardar Patel College of Engineering	2018
6	Dhanashree Pandit	WON 2nd position	Chess	Olympus 2019 SAKEC	16/03/2019
7	Parth Pandit	WON 1st position	Table Tennis	Olympus 2019 SAKEC	16/03/2019
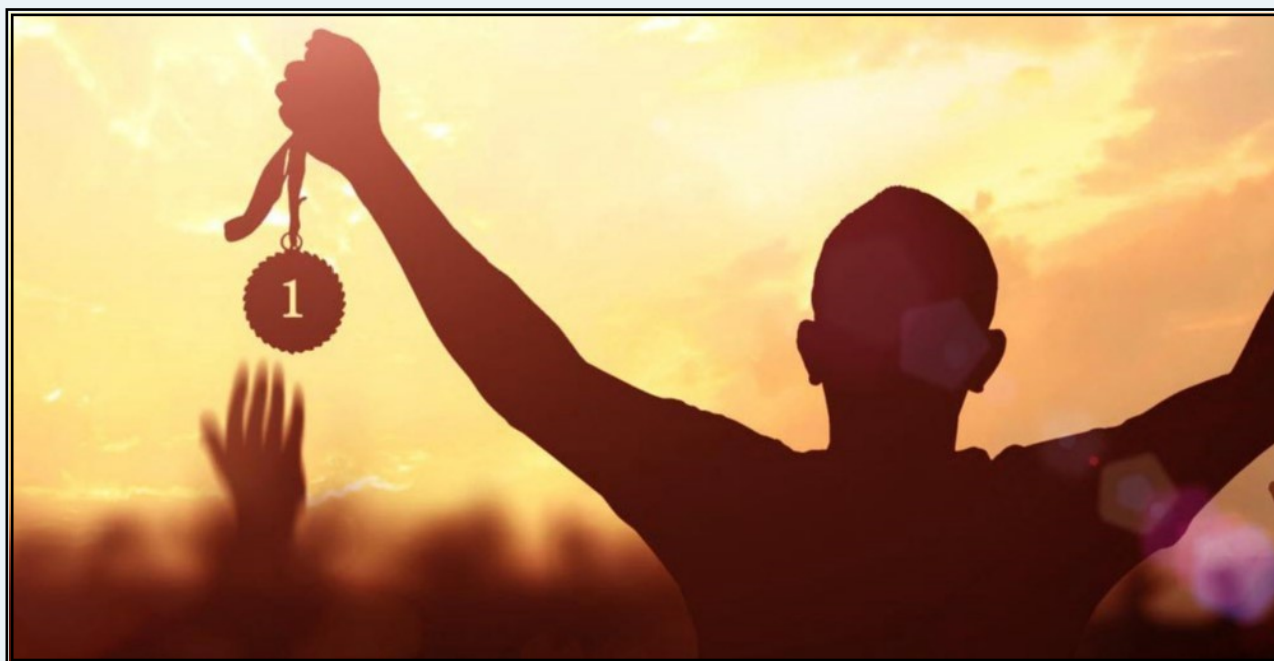
Products developed by Students

Sr. No	Name of the Student	Title of the Product	Description
1	Vivek Gawande	Vivek's Blog http://vivekgawande.herokuapp.com/	Blog to share his journey of becoming a software developer and various interesting technologies he comes across
2	Tej Karani	Pockets Hub	A clothing store website with product details and contact details
3	Bhavya Haria, Manan Bhanushali	IEEE SAKEC App	This app is developed for student branch as to celebrate IEEE Day 2018.
4	AmeyKamate	File sharing App.NET	This file transfer application can be used to transfer files and folders in LAN. It is a desktop application. It can be used to transfer folders there is no need for zipping of the folder
5	Ashish Ghadigaonkar	Rine	E-Commerce app for Nature Essential Food Pvt Ltd
6	Ashish Ghadigaonkar	Mech2it	ERP system
7	Ashish Ghadigaonkar	Voting System	Android app Online voting system
8	Ashish Ghadigaonkar	Croma-Browser	Browser that can clear all browsing data on exit at apk of only 700-800 kb.
9	Ashish Ghadigaonkar	https://www.muedu.co.in	Educational website
10	Ashish Ghadigaonkar	Data Structures app	Data Structures app for learn code online.in: Displaying content using REST APIs.
11	Kushal Gogri	Anime info app	Cartoons-TV serials app
12	Aadesh Khale	Space Infinity - Android game	To improve your concentration power, in a fun way. Dodge barriers while you proceed within the unpredictable universe of Space Infinity and travel as far as possible
13	Soni harsh Chiman	Mobile App - Todo task	Developed a mobile App.
14	Rushi Shah	Website – Car Desk	Developed the website using Word Press.
15	Rishabh Kothari	Website - Sync Studios.	Developed the website using Word Press.
16	Femin Dharamshi	Codify	Codify is an App where Computer/IT Engineering students can find codes/programs and video lessons related to their subjects

PAPER PUBLICATION

Sr. No	Title of the Paper	Name of the Author	Title of the Journal	Year of Publication
1	Dense Stereo Matching Based on Multi-objective Fitness Function –A Genetic Algorithm Optimization Approach for Stereo Correspondence	Manimala Mahato, Shirishkumar Gedam, Jyoti Joglekar, Krishna Mohan Buddhiraju	IEEE Transaction, Transaction on Geoscience and Remote Sensing	June 2019
2	Smart Irrigation System and Crop Prediction	Akshay Narwade, Sumit Nayak, Ankita Potdar, Rajkumar Yadav, Karuna Borhade	International Research Journal of Engineering and Technology	April 2019
3	Farmer Customer Relationship Management System	Apoorv Bhiwandkar, Sneha Bhalekar, Parth Gala, Parth Parekh, Jaya Zalte	International Journal of Research in Engineering, Science and Management	April-2019
4	Road Accident Prediction	Monika Kanojiya, Vipul Rana, Deepak Parmar, Hemant Joshi, Pradnya Jadhav	International Researnal Journal of Engineering and Technology	March 2019
5	Robust Fundamental Matrix Estimation Using Genetic Algorithm Based Approach With Multi-Objective Fitness Function For Stereo Images	Manimala Mahato, Shirishkumar Gedam	In Proceedings of Asian Conference on Remote Sensing, Kuala Lumpur, Malaysia	2018
6	Particle Swarm Optimization Based Approach To Estimate Epipolar Geometry For Remotely Sensed Stereo Images	Manimala Mahato, Shirishkumar Gedam	In Proceedings of Int. Arch. Photogramm. Remote Sens. Spatial Inf. Sci., XLII-5, Dehradun, India.	2018.
7	Online Printing Access for Business Utility using Android	Devika Galia, Ankita Babshetye, Dhanashri Bagul, Kajal Sodha, Jaya Zalte	IJSRD - International Journal for Scientific Research & Development	2019
8	Augmented Reality Game Development using Unity3D	Deep Karia, Abhishek Shah, Sharan Vora, Dr. Bhavesh Patel	JETIR	2019

Achievements by Faculty

Sr. No	Name of Faulty	Event / Title	Conducted By
1	Monika Kanojiya	Attended STTP for 6 days on Artificial Intelligence, Machine and Deep Learning: Hands On" 24/06/2019 to 29/6/2019	KJSIEIT, Sion
2	Tina Maru, Sarika Rane, Dipti Mukadam	Certificate course on Python Workshop by IITB on 22/06/2019	Remote Centre - SAKEC
3	Pradeep Mane	Developed Departmental Information Management System	Computer Engineering Department SAKEC

NPTEL Achievements

Sr. No.	Name of faculty	Subject	Achievement
1	Manimala Mahato	Deep Learning	Elite+gold
2	Rekha Ramesh	Deep Learning	Elite
3	Milind Khairnar	Innovation, Business Models and Entrepreneurship	Elite
4	Vaishali Hirlekar	Introduction to Internet of Things	Elite
5	Deepti Pawar	Stress Management	Elite
6	Milind Khairnar	E-business	Successfully completed
7	Pallavi Deshmane	Switching Circuits and Logic Design	Successfully completed
8	Deepshikha Chaturvedi	Programming in Java	Elite+gold
9	Dhanashree Thakur	Introduction to Automata, Languages and Computation	Elite+Silver

Without continual growth and progress, such words as improvement, achievement, and success have no meaning.

BENJAMIN FRANKLIN

NPTEL Statistics

Computer Engineering Department is a part of local chapter for NPTEL (National Program on Technology Enhanced Learning) which is a joint initiative of the IITs and IISc. The goal of a Local Chapter is to be a local link between students/faculty in the institution and SWAYAM-NPTEL Through this initiative, they offer online courses and certification in various topics For year 2018-19 various courses related to computer science, mathematics, soft skills, multidisciplinary categories etc. ,have offered from NPTEL .

In first half (July 2018-October 2018) 126 candidates including students and faculties were registered and for second half (January 2019-April 2019) 167 candidates registered from computer engineering department .

In first half 17 candidates have successfully completed the courses. Out of which 01 have got Elite +Gold, 12 have got elite and 5 have successfully completed the course . In second half 04 candidates have successfully completed the courses. Out of which 2 faculty candidates got Elite +Gold and Elite +Silver respectively.

One of our student Nikhil Dinesh Shetty has secured place in   Topper of 5% category for " Introduction to Machine Learning course".

Our faculty member Dr. Manimala Mahato secured Elite +gold also she became one of Topper of 5% for " Introduction to Machine Learning course".

Faculties who registered for courses played an important role of subject mentors for students. The ratio of mentors: student is 1:50.They Motivate students on assignment submission/ exam registration and track progress of students / mentees.

SPOKEN TUTORIAL STATISTICS

Information of students Passing Spoken Tutorial in 2018-2019

Class	Tutorial Topic	Date of Exam	Appeared	Pass	Passing %
FE	C language	20/2/2019	118	98	83.05 %
SE	Python	18/2/2019	185	150	81.08 %
TE	PHP-MySQL	30/8/2018	212	208	98.11 %
BE	Java Business Application	27/8/2018	187	161	86.09 %

Toppers in Spoken Tutorial 2018-2019

Sr. No.	Name of student	Topic
1	RUSHABH DEDHIA	Java Business Application
2	ANIKET BANGINWAR	Java Business Application
3	YAKSH SHAH	PHP-MySQL
4	RUCHA SAWANT	PHP-MySQL
5	KARNA SHAH	Python
6	HARSHIL SANGHAVI	C language
7	RUSHI SHAH	C language
8	TANAY JHAWAR	C language
9	YOUSHA GHARPURE	C language

THE EXPERT IN ANYTHING WAS ONCE A BEGINNER !

PLACEMENTS AND HIGHER STUDIES

* 84 companies in the campus
* 111 total placed students from computer
* Highest package of 12.02 LPA in Jaro Topscholar Pvt. Ltd. (Mr. Jinit jain)
* Highest package with Technical profile with 7 LPA in Tata Consultancy Services (Mr. Vivek Gawande)
* 4 of our students who were Codevita winners (Mr. Vivek Gawande, Mr. Devesh Surve, Mr. Rushabh Mehta, Mr. Shreyas Nanaware) received Direct Recruitment offer by TCS.
* 20 students secured admission for higher studies in reputed University's
    * United States 10
    * Australia 5
    * Canada 2
    * Ireland 1
    * Bits Pilani 1
    * UoM 1
* Our student Mr. Shrikant Naidu is awarded with 10th AEGIS GRAHAM BELL AWARD NATIONAL TALENT HUNT, an initiative by AEGIS and supported by NITI Aayog, Government of India There were more than 20,000 participation PAN INDIA for awards. Out of that 7000 were interviewed by the prestigious Jury members and ONLY 21 are graced with the award, Our Mr. Shrikant is one of amongst the Final 21 recipients.

Oncampus Placed	89
Off Campus placed	22*
Total placed	111*
Number of students opted for higher studies	20
No. Of students turned Enterpreneur	02
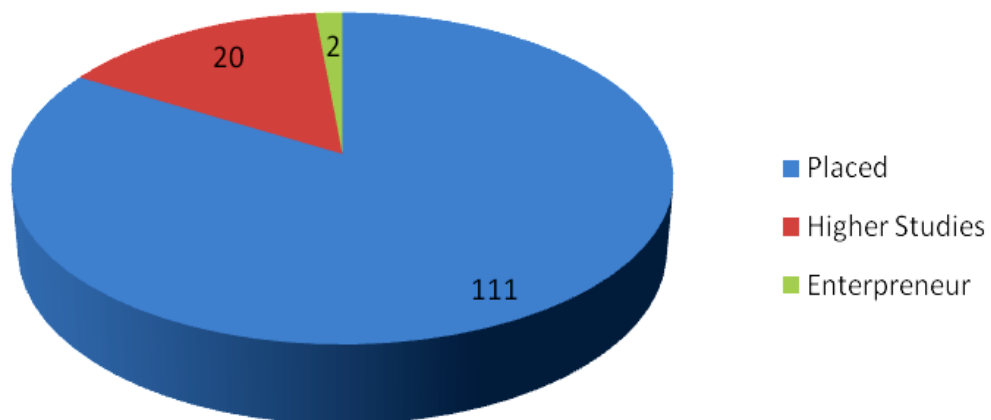
PLACEMENTS AND HIGHER STUDIES

Sr. No.	Name of the Company	No. of On campus placed students
1	Tata Consultancy Services	30
2	Larsen & Toubro Infotech Ltd.	25
3	CodeArray Technologies Private Limited	9
4	CMSIT	6
5	Wipro Limited	3
6	Bitwise	2
7	Reliance Jio Infocomm Ltd.	2
8	Indigital Technologies	2

Sr. No.	Name of the Company	No. of On campus placed students
9	Logstar	2
10	NSEIT Limited	1
11	Vistaar Technologies	1
12	Zeus Systems Pvt. Ltd.	1
13	BYJUS	1
14	Servosys	1
15	Jaro Education	1
16	Atos Syntel	1
17	Squad Infotech Private Limited	1
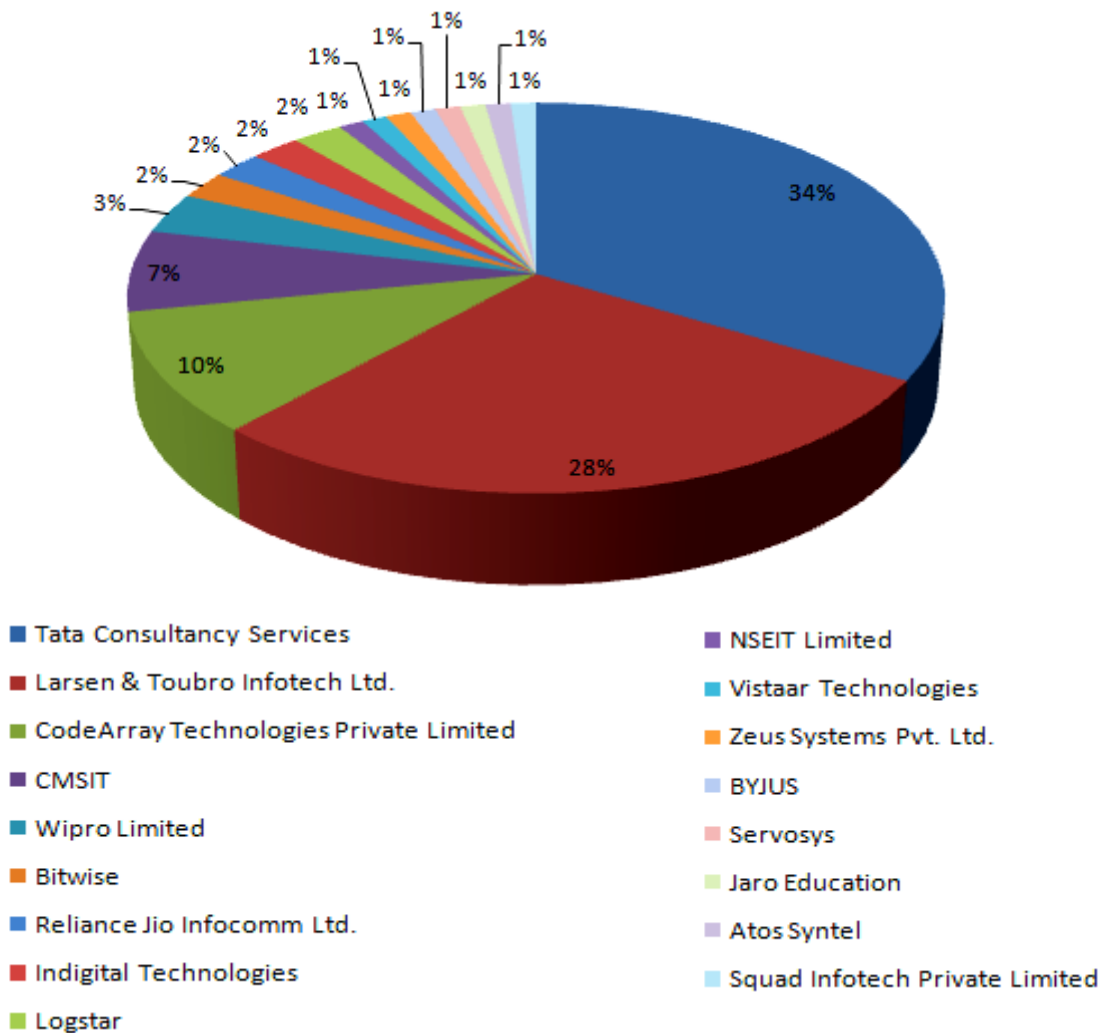
NON-TECHNICAL ARTICLES

**DIWALI
RANGOLI**

**SIDDHI
KHANVILKAR
SE-4**

NON-TECHNICAL ARTICLES

SAKEC ने कराई राजस्थान की सैर,

मुंबई से चली छुक छुक करती रेल,

रणथम्बोर में की थी एंट्री,

नेचर की थी गज़ब सीनरी,

जंगल में उड़ते थे पंछी और तोते,

Wildlife में देख चीता, उड़ गए हमारे तोते,

काले गोरे भेरू का मेल देखा,

एक ही मंदिर में बैठे देखा,

चमत्कारी जैन मंदिर देखा,

अहिंसा का सन्देश देखा |

जयपुर में चौकी धानी से शुरू हुआ था स्वागत,

विभिन व्यंजनों से दिल हुआ था पागल,

लहर फुटवियर में देखी शू मेकिंग,

वहीं बापू बाजार से करी थी भारी शॉपिंग,

जंतर मंतर में थी तरह तरह की आकृति,

जो सूर्य की गिरती किरणों से,

वक़्त और राशियों का थी हाल बताती,

तिलोनिआ में थी बेयरफुट यूनिवर्सिटी,

कला और कौशल से भरी थी सबकी बातें |

चित्तौढ़ का किला देखा,

भगवती का मंदिर देखा

पदमिनी की आन देखी

राजपूतों की शान देखी |

उदयपुर की बात निराली

हर तरफ थी लेक और हरियाली,

पानी में तैरता जग मंदिर देखा

शिशोदिया वंश का City Palace देखा,

महाराणा प्रताप की अद्भुत शौर्य कहानी

कवि चंदबरदाई की थी मुँह जुबानी |

जब चेतक ने की थी हवा से बातें,

दुश्मनों की रुक जाती थी सासें,

जहाँ रानियाँ करती थी कैट वाक,

वो सहेलियों की बाड़ी देखी |

अब फालना से वापसी की थी तैयारी,

जैसे मीठी यादो की बारात चली,

आगे भी जो होगा सबका साथ,

इसी तरह IV जाएंगे हर साल |

TULIKA JAIN, SE-4

Non-technical articles

PAINTINGS BY MUGDHA BASAK SE-4

NON-TECHNICAL ARTICLES

Quarantine

Quarantine , Quarantine this is the time to win,

Sharp your skills while others are making time a bin.

Quarantine , Quarantine this is the time to complete your backlog,

So that you don't lost your self in this fog.

Quarantine , Quarantine this is your chance to be a solider,

Don't waste it by being a risk holder.

Quarantine, Quarantine this is going to end soon,

As long as you make it a boon.

Study

We do it all the time,

Trying to make everything mine .

If we stop doing it,

We are digging ourselves in a pit .

It's not define as writing we read,

It's the experience we get indeed.

Insecure Person

I am a insecure person,

Who got frozen.

Tries to raise his voice,

But is confused between his choice .

Things gets complicated by his own matter,

Because he don't want himself to shatter.

Shares his thoughts with only them,

With whom he feel free to talk.

Insecurity only comes when there is no exchange of thoughts,

So it's better to empty yourself by speaking your mind out .

VISHAL DEDAVAT
FE-4

RESULT ANALYSIS

Result Analysis of May 2019

Year	No. of Students Appeared	No. of Students Passed	Passing Percentage
SE (SEM-IV)	214	133	62.14%
TE (SEM-VI)	212	188	88.68%
BE (SEM-VIII)	218	214	98.16%

Result Analysis of Dec 2018

Year	No. of Students Appeared	No. of Students Passed	Passing Percentage
SE (SEM-III)	215	134	62.33%
TE (SEM-V)	210	184	87.62%
BE (SEM-VII)	218	215	98.62%

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SIDDHI KHANVILKAR
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